GSM ALARM AND TELEMETRY PRODUCTS

Catalogue 2011/2012

SECURITY. ANYWHERE, ANYTIME.

mobeye®

MOBEYE GSM INTRUDER ALARM

Mobeye intruders alarm systems are all-in-one alarm systems that operate independently. Because of the low power design the alarm systems run on batteries for a long time. Messages are sent to the programmed telephone numbers through the built-in GSM module.

Mobeye i110

Simple to use and effective, the all-in-one GSM alarm system that makes security easy. The Mobeye i110 All-In-One GSM Alarm System is the perfect security tool to protect your family, home and place of work from intruders. The alarm system has a built-in motion detector (PIR), temperature sensor and GSM module. The all-in-one system can be used anywhere. This combination makes the i110 ideal for holiday homes, boats, building sites or as a temporary security solution. Even temperature monitoring is available to protect against frost or overheating. No complicated installation processes or difficult programming needed!

Mobeye i110 Characteristics

- built-in GSM module
- built-in piezo siren
- built-in PIR motion detector
- built-in temperature sensor
- silent or loud alarm
- arming and disarming via code
- operates more than 1 year on batteries
- optional: Mobeye Internet Portal connection
- text messages and phone call on alarm
- battery low notification
- 'keep alive' notification

The Mobeye Argos

The Mobeye Argos is the latest addition to the Mobeye Intruder line. This battery operated system offers a peace of mind for every user. As all-in-one system it is ready-to-use. The many options for expansion make it even more complete. The Argos has it all, reliability and simplicity together with optimal safety. No external power supply is needed.

Many options

- built-in GSM module
- built-in piezo siren
- built-in PIR motion detector
- built-in digital temperature sensor
- silent or loud alarm
- two external inputs (NO/NC)
- two external outputs (relays)
- tamper alarm
- jam detection
- text messages and phone call on alarm
- listen-in function
- battery low notification
- 'keep alive' notification
- arming and disarming via code or time controlled
- operates more than 1 year on batteries
- optional: Mobeye Internet Portal connection

Additional Accessories

- wired magnet contact
- wired PIR (low power)
- external siren
- 12VDC mains adapter

MOBEYE MOBILE GSM SENSORS

The sensors making up the Mobeye Mobile Sensors Product Group are meant to improve the safety of people, machines and objects. Each sensor operates independently and is always alert to pass on reports through the built-in GSM module. After placing a SIM card of any provider and setting a phone number as contact person, the sensors are ready for use. The Compact Modules in the CM range are unique in being battery operated. In case they use an external power supply, this supply can be monitored as well. More extended characteristics of the CM21 module are described in the table 'Characteristics of Mobeye GSM/GPRS Telemetry Modules'.

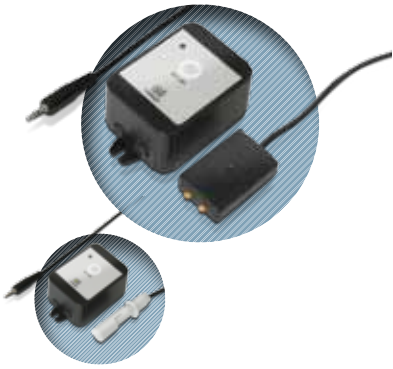
Mobeye PowerGuard

The Mobeye PowerGuard (CM2100) reports the failure of power by SMS and telephone call. The module is ready-to-use and easy to install. By just plugging the mains adapter into the power supply the external power supply is monitored; as an alternative any 12VDC power supply can be used. Two external sensors can be connected to the additional inputs.

Mobeye ThermoGuard

The Mobeye ThermoGuard CM2200 monitors the user-defined temperature ranges. As soon as the temperature gets below the minimum temperature or exceeds the maximum temperature an alarm message is sent by SMS and telephone call. Two more external sensors can be connected to the additional inputs. The Mobeye ThermoGuard is battery operated. It is also possible to use an external power supply. In case of a power failure an alert is sent as well (optional: mains adaptor).

Mobeye WaterGuard



The Mobeye WaterGuard reports water leakage and helps to prevent water damage. As soon as the sensors detect a water-based liquid, the Mobeye WaterGuard sends GSM alarm reports by SMS and/or telephone call to the preset contact persons. The Mobeye ThermoGuard is battery operated and easy to install. It is also possible to use an external power supply. In case of power failure an alert will be sent as well (optional: mains adaptor). It is possible to connect external sensors to the additional input(s).

- CM2300 - Mobeye WaterGuard with leakage sensor
- CM2300-FS - Mobeye WaterGuard with float sensor

Mobeye Panic Button

Just press the button and the Mobeye Panic Button (CM2500) warns the preset contact persons via an SMS message and telephone call. The Panic Button is battery operated and reports the alarm message within 20 seconds to the selected contact persons. In order to shorten this time the Panic Button may be mains powered (net adapter available). The Mobeye Panic Button is equipped with an extra input for an external emergency button.

MOBEYE MOBILE GSM SENSORS

As part of the Mobeye Mobile Sensors group, the CM range is based on the CM21 module and the MS range is based on the XM2 module. The XM2 has two inputs and two outputs. An alarm trigger could result in an GSM alert message and in switching a relay. Low power versions run on batteries and are independent of any external power supply. More extended characteristics of the XM2 and XM2-LP modules are described in the table 'Characteristics of Mobeye GSM/GPRS Telemetry Modules'. All XM2 variants can be connected to the Mobeye Internet Portal for alarm despatch, operation, programming and viewing the event logs.

Mobeye CM-Guard

The CM-Guard (CM2000) is the most universal module in the CM range. It is a battery-operated GSM measuring and control device. By connecting external sensors to the two NO/NC inputs the CM-Guard sends GSM alarm-alerts to the preset telephone numbers. For instance, the combination of the battery-operated CM-Guard and a door/window magnet contact monitors the opening of a door. It is possible to use (and monitor) the main net or any other 12VDC power supply by just plugging the (optional) adaptor into an AC outlet.

MS100 GSM Power Failure Detector

The MS100 is an extended GSM power failure detector. In the event of a power failure it sends alarm messages in the form of a text message, a phone call or both. It is also possible to activate the external outputs, in order to switch appliances on or off. The keypad simplifies the programming of phone numbers and other settings. The MS100 can be armed and disarmed by using a personal code.

MS200 GSM Temperature Detector

The MS200 is an extended GSM temperature detector. As soon as the measured temperature gets out of the preset ranges, alarm notifications are sent and the outputs could be switched, e.g. to switch appliances on or off. In this way the product is ideal for use as a temperature monitor and thermostat. The keypad simplifies the programming of phone numbers and temperature ranges. The module can be armed and disarmed by using a personal code. The Mobeye Mobile GSM Temperature Detector is available in the following versions:

- MS200ILP - low power, battery powered with internal temperature sensor
- MS200E - 12-24 VDC (incl. mains adapter) with external temperature sensor
- MS200ELP - low power, battery powered with external temperature sensor

MS300 GSM Water Detector

The MS300 is an extended GSM water detector. As soon as it detects the presence of fluids, the system sends alarm messages in the form of a text message, a phone call or both and the outputs could be switched. The keypad simplifies the programming of phone numbers and other settings. The module can be armed and disarmed by using a personal code. The Mobeye Mobile GSM Water Detector is available in the following versions:

- MS300LP-LS - low power, battery powered with leakage sensor
- MS300-LS - 12-24 VDC (incl. mains adapter) with leakage sensor
- MS300LP -FS - low power, battery powered with flotation sensor
- MS300-FS - 12-24 VDC (incl. mains adapter) with flotation detector

MOBEYE GSM/GPRS MODULES

Mobeye GSM/GPRS Modules are functional and user friendly with many applications. Even complex applications are made simple with a Mobeye GSM/GPRS Module. Mobeye also offers custom work for OEM products. Please contact us to discuss how we can tailor a module for you or visit our website.

Mobeye CM21 module

The CM21 is a versatile GSM telemetry module, easy to program and to install. Designed for an extreme low power consumption the CM21 operates on batteries. As an alternative a 12VDC external power supply can be used. The CM21 has two inputs, which can be set as NO (Normally open) or NC (Normally closed). The Mobeye CM21 is able to inform (a maximum of 5) telephone numbers via the GSM network, either by SMS message, telephone call or both. Several settings are programmed easily, like delayed alarms, alarm repeats, test messages and user-defined textst.

Mobeye XM2 en XM2-LP modules

The Mobeye XM2 Modules are state of the art telemetric modules any system integrator can apply. The XM2-LP is completely battery powered. Through the use of its inputs (or timed) an alarm can be set or the modules' outputs can be switched on or off. The version XM2 operates on 12-24 VDC, the batteries keep the module running during a power failure. This version can also be operated and configured remotely.

High flexibility is offered in the modules' programming. Triggers activating various actions can be programmed into the module with the use of action rules. For example, the module can be programmed to respond to the opening of a magnetic contact by sending a text message, dialling a phone number and switching an output. The combination of multiple actions and rules make the XM2 a powerful telemetric solution for almost any application. The XM2 module can be used as alarm system, as access control unit, as remote control for devices or for the measurement of temperature, power failure, liquid height, etc.

Mobeye XM2-AC Access Control

The XM2-AC solution for Access Control opens a lock as soon as an authorised telephone number calls to the unit. The Mobeye XM2-AC is connected to the electrical door lock. The administrator authorises and deletes telephone numbers via the keypad or at a distance, This can be done via SMS message or via the Mobeye Internet Portal. The XM2-AC opens the door by number recognition, thus no telephone costs are made. The XM2-AC can run stand-alone. In case of frequent or special authorisation changes, such as day/time slots, the XM-AC Access Control in combination with the Mobeye Internet Portal offers a unique alternative for complicated key management situations.

MOBEYE GSM MODULES

About Mobeye

Mobeye is specialized in high quality GSM/GPRS alarm and telemetry technology. Mobeye products are characterised by configuration flexibility, usability and an extremely low power consumption. Mobeye aims to design and market products that contribute to a safer world for its customers.

Custom specific solutions (OEM)

The Mobeye CM21 and XM2 range offers a solid base for customized solutions. With the state-of-the art knowledge and broad in-house experience Mobeye defines, designs and produces tailor made solutions for telemetry situations.

Characteristics of Mobeye GSM/GPRS Telemetry Modules		CM21	XM2	XM2-LP
Security	• Pin code security for operation and configuration	✓	✓	✓
Inputs	• 2x NO/NC (programmable)	✓	-	-
	• 2x NO/NC/Analogue (programmable)	-	✓	✓
	• Optional: digital temperature sensor	✓	✓	✓
Outputs	• 2 (relays, max. 2A/30V)	-	✓	✓
Alarm functions	• SMS and/or call after alarm (5 telephone numbers)	✓	✓	✓
	• SMS and/or call after power failure/restoration	✓[1]	✓	-
	• Switching the outputs	-	✓	✓
	• Messages, status and log via Mobeye Internet Portal	-	✓	✓
SMS status messages	• Low batteries	✓	✓	✓
	• Test messages ('keep alive')	✓	✓	✓
Operation/Telemetry	• Arming/disarming via on/off button	✓	-	-
	• Arming/disarming via pin code (keypad)	-	✓	✓
	• Arming/disarming via SMS/call	-	✓	-
	• Time fenced operation	-	✓	✓
	• Operation of outputs at a distance via SMS/call	-	✓	-
Configuration	• Via SMS commands	✓	✓	✓
	• Via keypad	-	✓	✓
	• Via Mobeye Internet Portal	-	✓	✓
Program settings	• 5 telephone numbers, alarm delay times, inactive time, alarm texts, frequency test messages, etcetera	✓	✓	✓
Power supply	• Battery operated (2 x CR123) and/or 12 VDC	✓	-	-
	• Battery operated (4 x CR123)	-	-	✓
	• 9-24 VDC with back up batteries (4 x CR123)	-	✓	-
Ambient temperature	• -10° C ... 55° C	✓	✓	✓
Dimensions	• 75 x 51 x 29 mm (optional: enclosure 80 x 60 x 40 mm or DIN rail)	✓	-	-
	• 80 x 127 x 25 mm (optional: enclosure 90 x 145 x 45 mm)	-	✓	✓
Battery lifetime	• Low power versions (battery operated): > 1 year	✓	-	✓
	• In case of an external power supply > 2 years	✓[1]	✓	-
GSM/GPRS	• Quad band EGSM 900/1800 - 850/1900 Mhz	✓	✓	✓
Complies with	• ETSI EN 301 489-1 V1.5.1, 301 489-7 V1.2.1, 301 511 V9.0.2, CENELEC EN 60950:2001	✓	✓	✓

1 = in case of external power supply